Solve the given system using substitution and/or elimination. Classify the system as having one solution, no solutions, or infinite solutions. Check your answer both algebraically and graphically.

$$\begin{cases} \frac{x+2y}{4} &= -5\\ \frac{3x-y}{2} &= 1 \end{cases}$$

Exercise 1 Classify this system as having one solution, no solutions, or infinite solutions.

Multiple Choice:

- (a) one solution \checkmark
- (b) no solutions
- (c) infinite solutions

Exercise 1.1 The solution to this system is $\left(\left[-\frac{16}{7} \right], \left[-\frac{62}{7} \right] \right)$.